



PCT10

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/019,676

DATE: 05/15/2002

TIME: 16:03:22

Input Set : A:\EP.txt

Output Set: N:\CRF3\05152002\J019676.raw

ENTERED

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3 <110> APPLICANT: Li, Sam Fong Yau
4     Su, Xiaodi
5     Kwang, Jimmy
6     Low, Sharon
7     Liu, Wei
8     Institute of Molecular Agrobiolgy
10 <120> TITLE OF INVENTION: A NOVEL IMMUNO-DIAGNOSTIC TEST METHOD FOR VETERINARY
11     DISEASE
13 <130> FILE REFERENCE: GM/MC/R33-77
C--> 15 <140> CURRENT APPLICATION NUMBER: US/10/019,676
C--> 16 <141> CURRENT FILING DATE: 2002-04-24
18 <150> PRIOR APPLICATION NUMBER: SG 9903147-8
19 <151> PRIOR FILING DATE: 1999-07-05
21 <160> NUMBER OF SEQ ID NOS: 4
23 <170> SOFTWARE: PatentIn Ver. 2.0
25 <210> SEQ ID NO: 1
26 <211> LENGTH: 270
27 <212> TYPE: DNA
28 <213> ORGANISM: Salmonella enteritidis
30 <220> FEATURE:
31 <221> NAME/KEY: CDS
32 <222> LOCATION: (1)..(270)
34 <400> SEQUENCE: 1
35 tct act gct ggt acc gct gaa gcc aaa gcg ata gct ggt gcc att aaa      48
36 Ser Thr Ala Gly Thr Ala Glu Ala Lys Ala Ile Ala Gly Ala Ile Lys
37   1           5           10           15
39 ggt ggt aag gaa gga gat acc ttt gat tat aaa ggc gtg act ttt act      96
40 Gly Gly Lys Glu Gly Asp Thr Phe Asp Tyr Lys Gly Val Thr Phe Thr
41   20           25           30
43 att gat aca aaa act ggt gat gac ggt aat ggt aag gtt tct act acc      144
44 Ile Asp Thr Lys Thr Gly Asp Asp Gly Asn Gly Lys Val Ser Thr Thr
45   35           40           45
49 atc aat ggt gaa aaa gtt acg tta act gtc gct gat att gcc act ggc      192
50 Ile Asn Gly Glu Lys Val Thr Leu Thr Val Ala Asp Ile Ala Thr Gly
51   50           55           60
53 gcg acg gat gtt aat gct gct acc tta caa tca agc aaa aat gtt tat      240
54 Ala Thr Asp Val Asn Ala Ala Thr Leu Gln Ser Ser Lys Asn Val Tyr
55   65           70           75           80
57 aca tct gta gtg aac ggt cag ttt act ttt                                270
58 Thr Ser Val Val Asn Gly Gln Phe Thr Phe
59   85           90
62 <210> SEQ ID NO: 2
63 <211> LENGTH: 90

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64 <212> TYPE: PRT

65 <213> ORGANISM: Salmonella enteritidis

67 <400> SEQUENCE: 2

68 Ser Thr Ala Gly Thr Ala Glu Ala Lys Ala Ile Ala Gly Ala Ile Lys

69 1 5 10 15

71 Gly Gly Lys Glu Gly Asp Thr Phe Asp Tyr Lys Gly Val Thr Phe Thr

72 20 25 30

74 Ile Asp Thr Lys Thr Gly Asp Asp Gly Asn Gly Lys Val Ser Thr Thr

75 35 40 45

77 Ile Asn Gly Glu Lys Val Thr Leu Thr Val Ala Asp Ile Ala Thr Gly

78 50 55 60

80 Ala Thr Asp Val Asn Ala Ala Thr Leu Gln Ser Ser Lys Asn Val Tyr

81 65 70 75 80

83 Thr Ser Val Val Asn Gly Gln Phe Thr Phe

84 85 90

87 <210> SEQ ID NO: 3

88 <211> LENGTH: 630

89 <212> TYPE: DNA

90 <213> ORGANISM: Porcine reproductive and respiratory syndrome virus

92 <220> FEATURE:

93 <221> NAME/KEY: CDS

94 <222> LOCATION: (1)..(600)

96 <400> SEQUENCE: 3

97 atg ttg ggg aaa tgc ttg acc gtg ggc tgt tgc tcg cga ttg ctt tct 48

98 Met Leu Gly Lys Cys Leu Thr Val Gly Cys Cys Ser Arg Leu Leu Ser

99 1 5 10 15

101 ttg tgg tgt atc gtg ccg ttc tgt ttt gct gtg ctc gcc gac gcc cac 96

102 Leu Trp Cys Ile Val Pro Phe Cys Phe Ala Val Leu Ala Asp Ala His

103 20 25 30

105 agc agc agc agc tct cat ctg caa ttc att tac aac ttg acg cta tgt 144

106 Ser Ser Ser Ser Ser His Leu Gln Phe Ile Tyr Asn Leu Thr Leu Cys

107 35 40 45

109 gag ctg aat ggc aca gat tgg cta gct gat aga ttt gat tgg gca gtg 192

110 Glu Leu Asn Gly Thr Asp Trp Leu Ala Asp Arg Phe Asp Trp Ala Val

111 50 55 60

113 gag agc ttt gtc atc ttt cct gtt ttg act cac att gtc tcc tat ggt 240

114 Glu Ser Phe Val Ile Phe Pro Val Leu Thr His Ile Val Ser Tyr Gly

115 65 70 75 80

117 gcc ctc act acc agc cat ttc ctt gac aca att gct tta gtc act gtg 288

118 Ala Leu Thr Thr Ser His Phe Leu Asp Thr Ile Ala Leu Val Thr Val

119 85 90 95

121 tct acc gcc ggg ttt gtt cac ggg cgg tat gtc ctg agt agc atc tac 336

122 Ser Thr Ala Gly Phe Val His Gly Arg Tyr Val Leu Ser Ser Ile Tyr

123 100 105 110

125 gcg gtc tgt gcc ctg gct gcg ttg act tgc ttc gtc att agg ttt gta 384

126 Ala Val Cys Ala Leu Ala Ala Leu Thr Cys Phe Val Ile Arg Phe Val

127 115 120 125

129 aag aat tgc atg tcc tgg cgc tac tca tgt act aga tat acc aac ttt 432

130 Lys Asn Cys Met Ser Trp Arg Tyr Ser Cys Thr Arg Tyr Thr Asn Phe

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131      130      135      140
133 ctt ctg gac act aag ggc aga ctc tat cgt tgg cgg tcg cct gtc att 480
134 Leu Leu Asp Thr Lys Gly Arg Leu Tyr Arg Trp Arg Ser Pro Val Ile
135 145      150      155      160
137 ata gag aag agg ggc aaa gtt gag gtc gaa ggt cat ctg atc gat ctc 528
138 Ile Glu Lys Arg Gly Lys Val Glu Val Glu Gly His Leu Ile Asp Leu
139      165      170      175
141 aaa aga gtt gtg ctt gat ggt tcc gtg gca acc cct ata acc aga gtt 576
142 Lys Arg Val Val Leu Asp Gly Ser Val Ala Thr Pro Ile Thr Arg Val
143      180      185      190
145 tca gcg gaa caa tgg ggt cgt cat tagatgactt ctgtcatgat agcacggctc 630
146 Ser Ala Glu Gln Trp Gly Arg His
147      195      200
150 <210> SEQ ID NO: 4
151 <211> LENGTH: 200
152 <212> TYPE: PRT
153 <213> ORGANISM: Porcine reproductive and respiratory syndrome virus
155 <400> SEQUENCE: 4
156 Met Leu Gly Lys Cys Leu Thr Val Gly Cys Cys Ser Arg Leu Leu Ser
157 1 5 10 15
159 Leu Trp Cys Ile Val Pro Phe Cys Phe Ala Val Leu Ala Asp Ala His
160 20 25 30
162 Ser Ser Ser Ser Ser His Leu Gln Phe Ile Tyr Asn Leu Thr Leu Cys
163 35 40 45
165 Glu Leu Asn Gly Thr Asp Trp Leu Ala Asp Arg Phe Asp Trp Ala Val
166 50 55 60
168 Glu Ser Phe Val Ile Phe Pro Val Leu Thr His Ile Val Ser Tyr Gly
169 65 70 75 80
171 Ala Leu Thr Thr Ser His Phe Leu Asp Thr Ile Ala Leu Val Thr Val
172 85 90 95
174 Ser Thr Ala Gly Phe Val His Gly Arg Tyr Val Leu Ser Ser Ile Tyr
175 100 105 110
177 Ala Val Cys Ala Leu Ala Ala Leu Thr Cys Phe Val Ile Arg Phe Val
178 115 120 125
180 Lys Asn Cys Met Ser Trp Arg Tyr Ser Cys Thr Arg Tyr Thr Asn Phe
181 130 135 140
183 Leu Leu Asp Thr Lys Gly Arg Leu Tyr Arg Trp Arg Ser Pro Val Ile
184 145 150 155 160
186 Ile Glu Lys Arg Gly Lys Val Glu Val Glu Gly His Leu Ile Asp Leu
187 165 170 175
189 Lys Arg Val Val Leu Asp Gly Ser Val Ala Thr Pro Ile Thr Arg Val
190 180 185 190
192 Ser Ala Glu Gln Trp Gly Arg His
193 195 200

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VERIFICATION SUMMARY

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L:15 M:270 C: Current Application Number differs, Replaced Current Application Number

L:16 M:271 C: Current Filing Date differs, Replaced Current Filing Date